



2G/GSM/GPRS/NB-IoT

ROB ANTENNA

TECHNICAL DATA SHEET

TXGN-JKD-20

VERSION: 3.2 DATA: 2020-11-06

TEL: 028-61542639 WEBSITE: WWW.ZIISOR.COM

CHENGDU ZIISOR TECHNOLOGY CO., LTD. EXPERT OF IOT ANTENNA

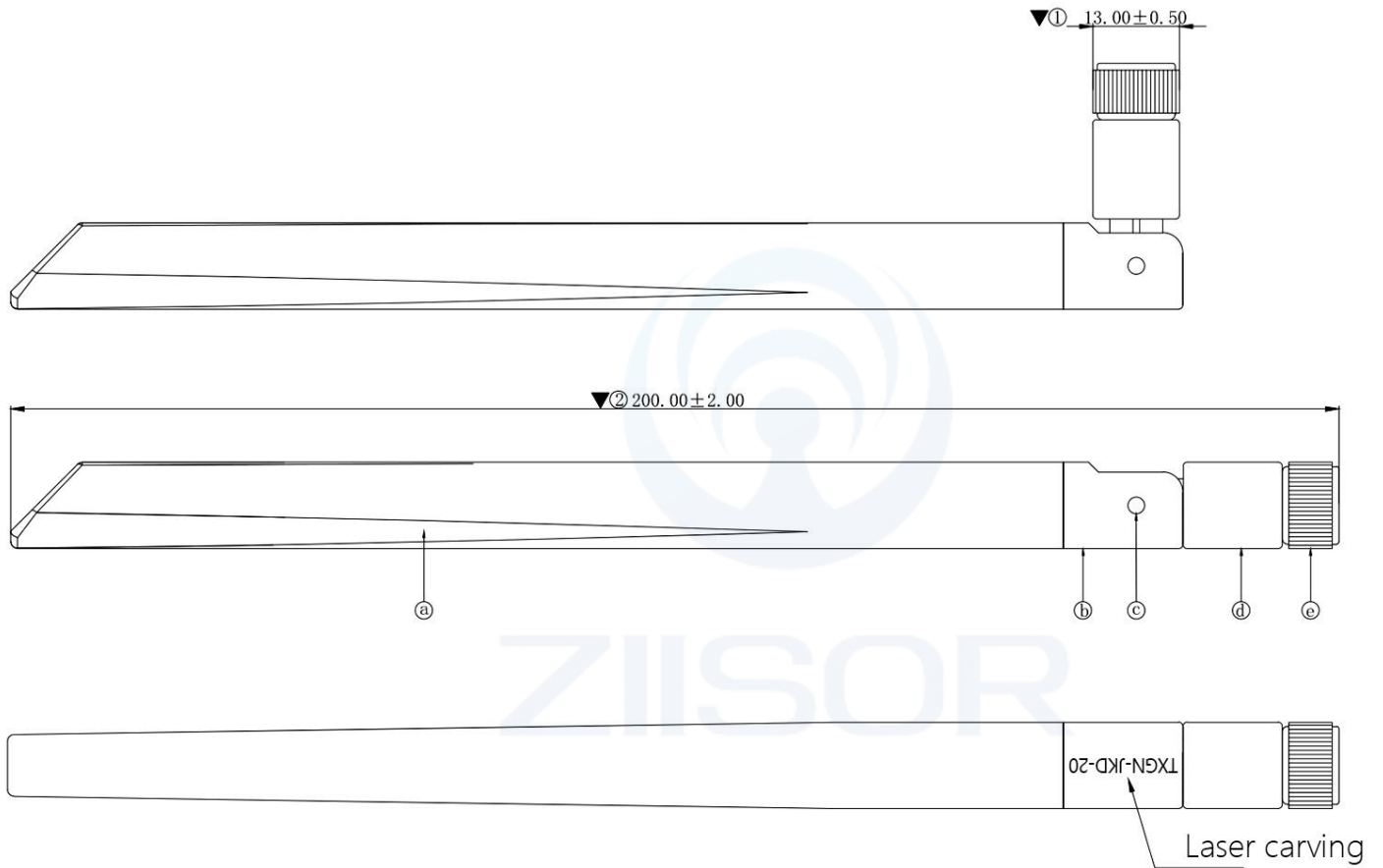


TXGN-JKD-20

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NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TXGN-JKD-20	2G Rob Antenna
02	Material	TPEE	
03	Material of Radiator	CU	
04	Connector Type	SMA-J	
05	Antenna Colour	Black	
06	Overall Length	200mm	OD13mm
07	Cable Type	N/A	
08	Cable Length	N/A	
09	Weight	22g	±2g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	2G/GSM/GPRS/NB-IoT	824~960/1710~1990MHz
02	Antenna Gain	3.3dBi	
03	Radiation type	Omnidirectional	
04	Polarization	Linear	Vertical
05	Nominal Impedance	50Ω	
06	Power Standing	20W	
07	S.W.R.	≤2.5	
NO.	ENVIRONMENTAL SPECIFICATIONS	VALUE	COMMENT
01	Operation Temperature	-30°C ~ +75°C	
02	Storage Temperature	-30°C ~ +75°C	
03	RoHS Compliant	YES	

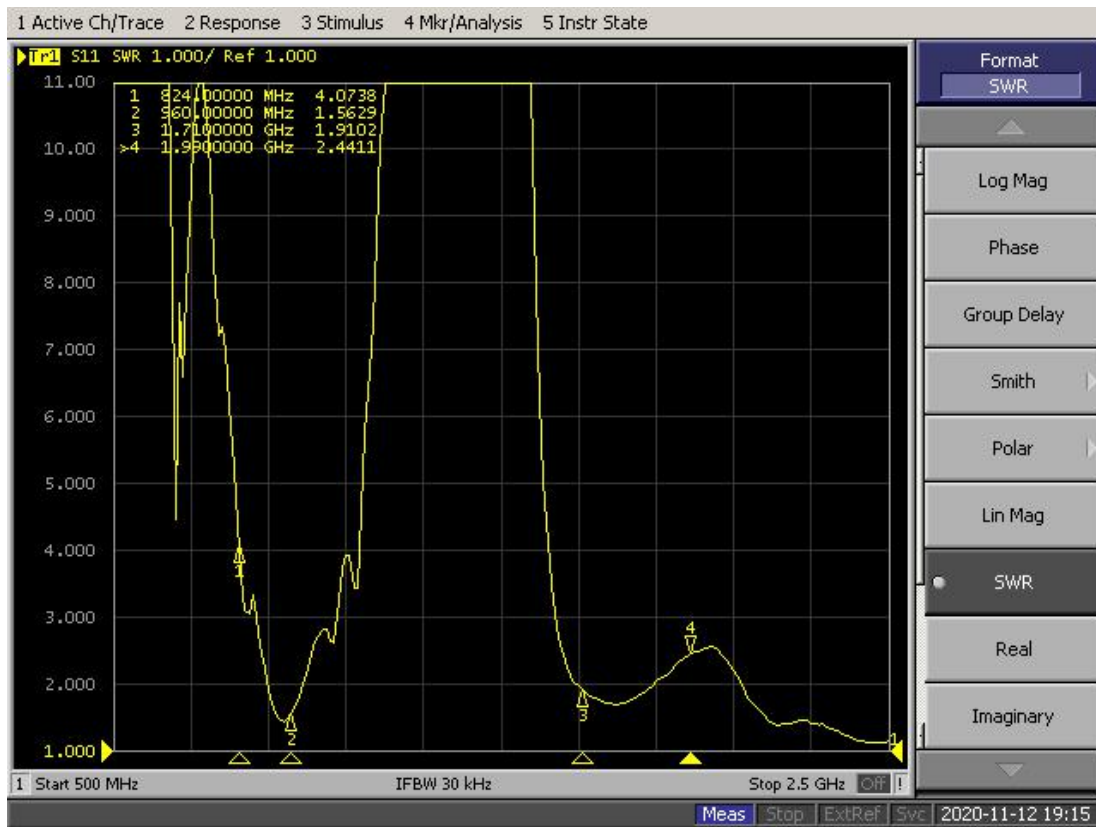
MECHANICAL DRAWING



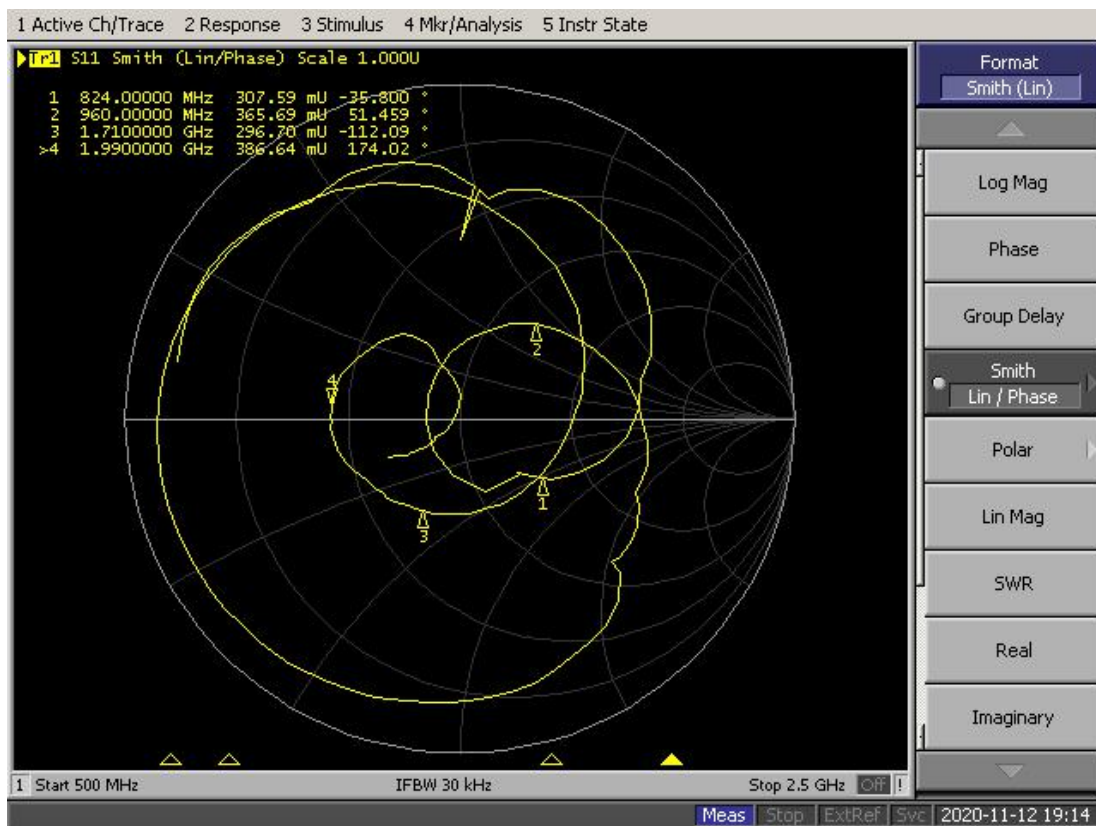
UNIT: mm

ITEM	PART NAME	QUANTITY	MATERIAL / FINISH
a	Shell	1	TPEE Black
b	Antenna Base	1	PC+PBT Black
c	Rivet	2	POM Black
d	Antenna Base	1	PC+PBT Black
e	Connector	1	SMA-J Nickel plated

S.W.R.



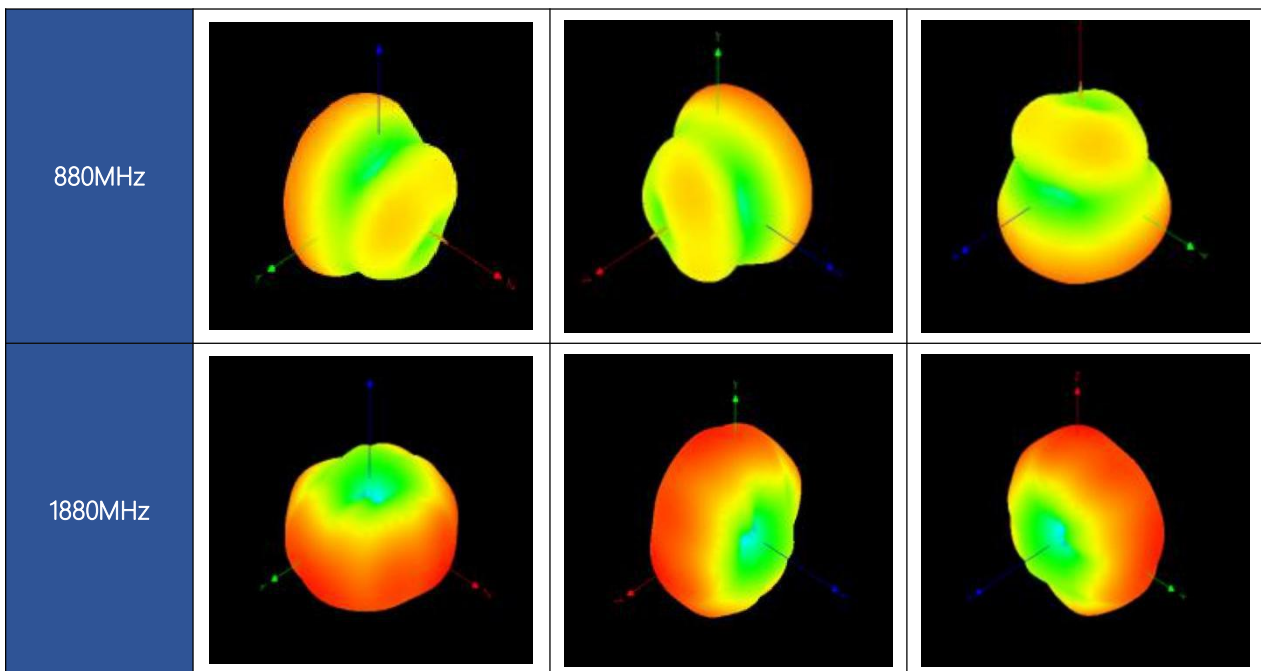
SMITH



EFFICIENCY/GAIN TEST

No.	Frequency Hz	Efficiency %	Gain dBi
01	820M	27.93	-0.85
02	830M	29.81	-0.58
03	840M	30.83	-0.54
04	850M	36.71	-0.56
05	860M	40.15	-0.01
06	870M	46.88	0.52
07	880M	57.21	0.96
08	890M	55.22	1.13
09	900M	52.31	1.25
10	910M	53.27	1.36
11	920M	53.63	1.23
12	930M	54.21	1.25
13	940M	55.32	1.88
14	950M	54.32	1.98
15	960M	59.02	1.91
16	1710M	72.09	2.76
17	1730M	70.51	2.24
18	1750M	69.47	2.83
19	1770M	75.91	2.26
20	1790M	72.1	2.46
21	1810M	71.56	2.32
22	1830M	62.61	1.38
23	1850M	62.45	1.97
24	1870M	70.34	2.5
25	1890M	78.13	2.82
26	1910M	77.6	2.14
27	1930M	64.5	1.51
28	1950M	65.15	1.77
29	1970M	68.62	2.67
30	1990M	73.7	3.3

RADIATION PATTERN



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